Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Sunday 23 May 2021 until 23:59 on Monday 24 May 2021

Forecast Issued on Saturday 22 May 2021 at 10:52

Confidence: High confidence for rain band spreading east later Sunday, though moderate confidence for timing. High confidence for showers Monday, but low confidence of extent and longevity, and also for the amount of sunshine through the day. High confidence for a gradual trend to drier conditions through the coming week.

Headline for Sunday 23 May 2021: Fine, cold start. Cloud gradually thickens and lowers, with rain spreading east by the evening.

Mountain weather hazards on Sunday 23 May 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** Low Likelihood	**Strong sunlight** Medium Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Partly cloudy (night)	Sunny intervals	Light rain showers	Cloudy	Dull	Heavy Rain	Heavy Rain
Precipitation probability							
<05%	<05%	10%	30%	30%	40%	90%	70%

Forecast for Sunday 23 May 2021

Weather: Cold overnight with clear spells, and a touch of frost possible. Early sunny spells, however cloud soon thickening with the odd shower developing. Winds strengthening, and cloud lowering onto summits during the late afternoon and evening as a band of more persistent rain moves through. This heavy for a time, but clearing east by midnight, with clear spells following.

Chance of cloud free mountain/hill tops above 600m: 90% at first, but falling to 30% by late afternoon. Improving to 80% once evening rain clears.

Visibility: Good to very good views of distant hills during the morning, but decreasing through the day. Cloud obscuring summits with increasing frequency and duration, mainly above 500m. Only moderate visibility likely at lower levels during showers and rain. Visibility improving during the evening, once rain has cleared.

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Mountain Weather Forecast

Forecast for Sunday 23 May 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	13/18 SW	15/21 SW	18/25 SW	20/29 SW	23/33 S	28/40 S	29/40 S	21/29 SW	20/29 SW
300	8/13 SW	10/16 S	12/19 S	16/25 S	20/30 S	23/35 S	22/34 S	14/23 SW	13/23 SW
Valley	4/11 SW	5/15 S	8/18 S	12/24 SW	15/29 S	17/34 S	15/33 S	10/21 SW	10/21 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	3/-2	3/-2	3/-2	5/-1	5/-0	6/-0	5/-1	4/-1	3/-3
300	5/2	5/2	6/2	8/4	8/4	8/4	8/3	6/2	5/1
Valley	5/4	6/4	6/4	9/6	9/6	10/6	8/5	7/4	6/3
Freezing Level*	1000m	1100m	1100m	1100m	1200m	1400m	1400m	1200m	1100m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Best conditions through the morning, with some good views, and some sunshine. Still feeling cold, especially on the summits. Waterproof equipment will likely be needed at times throughout the day, with a shower risk, but especially from late afternoon onwards with rain spreading east and conditions generally deteriorating.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Sat 22 May 2021	31.4mm	43.8mm	N/A

Forecast for Monday 24 May 2021

Weather: Another fine, but cold start to the day. Sunshine and showers follow, occasionally heavy from late morning with a chance of hail and thunder. Whilst some fine conditions are likely, with some brighter or sunny spells, showers have the potential to be slow moving, bringing prolonged periods of poor conditions for those that get caught in them.

Maximum wind: Southwesterly 15-25mph, becoming northwesterly 15-25mph

Chance of cloud free mountain/hill tops above 600m: 70%

Visibility: Mostly very good, but some reductions are likely during showers, and becoming particularly poor during any more prolonged and heavier rainfall. These could also include some cloud obscuring tops above 500m.

Temperature: **Valleys:** Plus 2 Celsius becoming Plus 13 Celsius
At 600m: Plus 1 Celsius becoming Plus 7 Celsius
Freezing level: Above the summits.

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